

PTO/SB/D1A (08-03)  
Approved for use through 10/31/2002 OMB 0651-0032  
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION  
USING AN APPLICATION DATA SHEET (37 CFR 1.76)

Title of Invention	METHOD OF PURIFYING/CONCENTRATING SUGAR CHAIN WITH SUGAR CHAIN-TRAPPING MOLECULE AND METHOD OF ANALYZING SUGAR CHAIN STRUCTURE
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As the below named inventor(s), I/we declare that:

This declaration is directed to:

☐ The attached application, or☒ Application No. 10/540,723, International filing date of December 25, 2003☐ as amended on \_\_\_\_\_ (if applicable);

I/we believe that I/we am/are the original and first inventor(s) of the subject matter which is claimed and for which a patent is sought;

I/we have reviewed and understand the contents of the above-identified application, including the claims, as amended by any amendment specifically referred to above;

I/we acknowledge the duty to disclose to the United States Patent and Trademark Office all information known to me/us to be material to patentability as defined in 37 CFR 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the National or PCT International filing date of the continuation-in-part application.

All statements made herein of my/our own knowledge are true, all statements made herein on information and belief are believed to be true, and further that these statements were made with the knowledge that willful false statements and the like are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001, and may jeopardize the validity of the application or any patent issuing thereon.

## FULL NAME OF INVENTOR(S)

Inventor one:	<u>NISHIMURA, Shinichiro</u>	Citizen of:	<u>Japan</u>
Signature:	<u>[Signature]</u>	Date:	<u>Feb. 3, 2006</u>
Inventor two:	<u>NIIKURA, Kenichi</u>	Citizen of:	<u>Japan</u>
Signature:	<u>[Signature]</u>	Date:	<u>Feb. 3, 2006</u>
Inventor three:	<u>NAKAGAWA, Hiroaki</u>	Citizen of:	<u>Japan</u>
Signature:	<u>[Signature]</u>	Date:	<u>Feb. 3, 2006</u>
Inventor four:	<u>OKAYAMA, Minenobu</u>	Citizen of:	<u>Japan</u>
Signature:	<u>[Signature]</u>	Date:	<u>Feb. 3, 2006</u>

☐ Additional inventors or a legal representative are being named on \_\_\_\_\_ additional form(s) attached hereto

This collection of information is required by 35 U.S.C. 115 and 37 CFR 1.63. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1 minute to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: P.O. Box 1450, Alexandria, VA 22313-1450.

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<b>ELECTION AND POWER OF ATTORNEY and CORRESPONDENCE ADDRESS INDICATION FORM</b>	Application Number	10/540,723
	International Filing Date	December 25, 2003
	First Named Inventor	NISHIMURA, Shinichiro
	Title	METHOD OF PURIFYING/CONCENTRATING SUGAR CHAIN WITH SUGAR CHAIN-TRAPPING MOLECULE AND METHOD OF ANALYZING SUGAR CHAIN STRUCTURE
	Art Unit	
	Examiner Name	
Attorney Docket Number		

I hereby revoke all previous powers of attorney given in the above-identified application.

I hereby appoint:

☒ Practitioners at Seed IP Law Group PLLC, Customer-Number: 00500

OR

☐ Practitioner(s) named below:

Name	Registration Number

as my/our attorney(s) or agent(s) to prosecute the application identified above (and any continuation/divisional applications therefrom), and to transact all business in the United States Patent and Trademark Office connected therewith.

Please recognize or change the correspondence address for the above-identified application to:

☒ The above-mentioned Customer Number.

OR

☐ The address associated with Customer Number.

OR

☐ Firm or  
Individual Name

Address

Address

City

State

ZIP

Country

Telephone

Email

I am the:

☐ Applicant/Inventor.

☒ Assignee of record of the entire interest. See 37 CFR 3.71.  
Statement under 37 CFR 3.73(b) is enclosed. (Form PTO/SB/96).

☒ As assignee of record of the entire interest I/we hereby elect, under 37 CFR 3.71, to prosecute the application to the exclusion of the inventor(s).

SIGNATURE of Applicant or Assignee of Record

Signature	<i>Motozo Shiono</i>	Date	March 7, 2006
Name	Motozo Shiono		
Title and Company (Assignee)	President Shionogi & Co., Ltd.		

NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required, see below\*.

\*Total of \_\_\_\_\_ forms are submitted.

This collection of information is required by 37 CFR 1.31 and 1.33. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 3 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450. #595388\_1 DOC

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PTO/SB/96 (09-04)

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**STATEMENT UNDER 37 CFR 3.73(b)**

Applicant/Patent Owner: NISEKUBA, Shinichiro, MIKURA, Kenichi, NAKAGAWA, Hiroaki, and OKAYAMA, Hidenobu

Application No./Patent No.: 10/540,723 International Filing Date: December 25, 2003

Entitled: METHOD OF PURIFYING/CONCENTRATING SUGAR CHAIN WITH SUGAR CHAIN-TRAPPING MOLECULE AND METHOD OF ANALYZING SUGAR CHAIN STRUCTURE

Shionogi & Co., Ltd.

(Name of Assignee)

a

corporation

(Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

states that it is:

1. ☒ the assignee of the entire right, title, and interest; or
2. ☐ an assignee of less than the entire right, title and interest.  
The extent (by percentage) of its ownership interest is \_\_\_\_\_ %

in the patent application/patent identified above by virtue of either:

- A. ☒ An assignment from the inventor(s) of the patent application/patent identified above.  
The assignment was recorded in the United States Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.

OR

- B. ☐ A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as shown below:

1. From: \_\_\_\_\_ To: \_\_\_\_\_

The document was recorded in the United States Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached

2. From: \_\_\_\_\_ To: \_\_\_\_\_

The document was recorded in the United States Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.

3. From: \_\_\_\_\_ To: \_\_\_\_\_

The document was recorded in the United States Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached

☐ Additional documents in the chain of title are listed on a supplemental sheet.

☐ Copies of assignments or other documents in the chain of title noted in B above are attached.

**[NOTE: A separate copy (i.e., a true copy of the original assignment document(s)) must be submitted to Assignment Division in accordance with 37 CFR Part 3, if the assignment is to be recorded in the records of the USPTO. See MPEP 302.08]**

The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee.

Motozo Shiono

Signature

March 8, 2006

Date

Motozo Shiono

Typed or printed name

President

Title

This collection of information is required by 37 CFR 3.73(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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# ASSIGNMENT

WHEREAS, We, Shinichiro NISHIMURA, Kenichi NIKURA,  
Hiroaki NAKAGAWA and Minenobu OKAYAMA (hereinafter referred to as ASSIGNOR),  
having a mailing address of 1-1-302, Kitakujonishi 16-chome, Chuo-ku,  
Sapporo-shi, Hokkaido 060-0009 Japan; 2-1-501, Minamirokujonishi 20-chome,  
Chuo-ku, Sapporo-shi, Hokkaido 064-0806 Japan; 12-601, Kitagojonishi 9-chome,  
Chuo-ku, Sapporo-shi, Hokkaido 060-0005 Japan and 309 Raburihaitutogashira,  
1634-2, Togashira, Toride-shi, Ibaraki 302-0034 Japan,  
respectively, are the joint inventors of an invention entitled

METHOD OF PURIFYING/CONCENTRATING SUGAR CHAIN WITH SUGAR  
CHAIN-IRAPPING MOLECULE AND METHOD OF ANALYZING SUGAR CHAIN  
STRUCTURE

as described and claimed in the specification for which an application for  
United States letters patent was filed and assigned Application No. 10/540,723. This application  
is a national stage application filed under 35 U.S.C. 371 of International Application No.  
PCT/JP2003/016841, accorded an International Filing Date of December 25, 2003.

WHEREAS, Shionogi CO., LTD. (hereinafter referred to as ASSIGNEE), having a  
usual place of business at

1-8, Doshomachi 3-chome, Chuo-ku, Osaka-shi  
Osaka 541-0045 Japan

is desirous of acquiring the entire right, title and interest in and to the  
invention and in and to any letters patent that may be granted therefor in the United States;

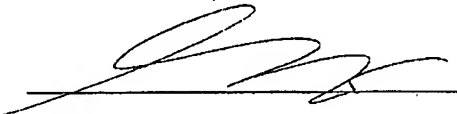
NOW, THEREFORE, in exchange for good and valuable consideration, the  
receipt of which is hereby acknowledged, ASSIGNORS hereby sell, assign and transfer unto said  
ASSIGNEE, the entire right, title and interest in and to said invention, said application and any  
and all letters patent which may be granted for said invention in the United States of America  
and its territorial possessions and, in any and all divisions, reissues and continuations thereof,  
said invention, application and all letters patent on said invention to be held and enjoyed by  
ASSIGNEE and its successors and assigns for their use and benefit and of their successors and  
assigns as fully and entirely as the same would have been held and enjoyed by ASSIGNORS had  
this assignment, transfer and sale not been made. ASSIGNORS hereby authorize and request the  
Commissioner of Patents and Trademarks to issue all letters patent on said invention to  
ASSIGNEE. ASSIGNORS agree to execute all instruments and documents required for the  
making and prosecution of applications for United States letters patent on said invention, for  
litigation regarding said letters patent, or for the purpose of protecting title to said invention or  
letters patent therefor.

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1.

Assignor: NISHIMURA, Shinichiro

Date: Feb. 3, 2006

Signature: 

Date \_\_\_\_\_  
(Type or Print)

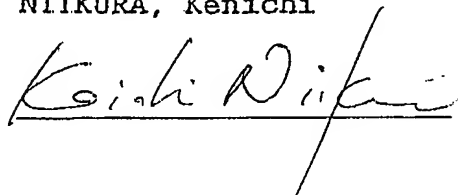
\_\_\_\_\_  
(Signature of Witness)

\_\_\_\_\_  
(Type or Print Name of Witness)

2.

Assignor: NIKURA, Kenichi

Date: Feb. 3, 2006

Signature: 

Date \_\_\_\_\_  
(Type or Print)

\_\_\_\_\_  
(Signature of Witness)

\_\_\_\_\_  
(Type or Print Name of Witness)

3.

Assignor: NAKAGAWA, Hiroaki

Date: Feb. 3 2006

Signature: Hiroaki Nakagawa

Date \_\_\_\_\_  
(Type or Print)

\_\_\_\_\_  
(Signature of Witness)

\_\_\_\_\_  
(Type or Print Name of Witness)

4.

Assignor: OKAYAMA, Minenobu

Date: Feb 8, 2006

Signature: Minenobu Okayama

Date \_\_\_\_\_  
(Type or Print)

\_\_\_\_\_  
(Signature of Witness)

\_\_\_\_\_  
(Type or Print Name of Witness)